14799/ 11/6/81 E.1

EPA

RECORD OF TELEPHONE CONVERSATION

DATE: Nov. 6, 1981 **RECORDED BY:**

FROM: Bill Sanders

TO: Dale Bryson

SUBJECT: Turn Around Time for Dioxin Analytical Results

DISCUSSION: I called Dale in response to Sandra's 11/3/81 memo, above subject, re: the Sauget Toxic Dump Samples. I advised him that there was apparently a misunderstanding. The first set of samples will be run on contract (VIAR) within 30 days of sample collection for all parameters specified, including dioxin; however, the protocal to be used--due to evidence of high concentration--is for medium concentration samples (10 ppm to 15000 ppm). Consequently, if (and only if) the actual concentration of the samples is less than 10 ppm (in essence, Non Detect), will we need to rerun samples. In this eventuality, we will send a sample to the University of Nebraska. The expected turnaround time there is uncertain~~ty~~, but our (frustrating) experience indicates that six months is certainly pssible.

(P.S. ~~I fully~~ concur in the need to get this information to you as soon as possible. We will do everything necessary on our end, but the delays are external and mostly beyond our control.)

cc: Ross/Elly

SO 5133

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: NOV 3 1981

SUBJECT: Turn-Around Time for Dioxin Analytical Results

FROM: for Sandra S. Gardebring
Director, Enforcement Division

TO: William H. Sanders III
Director, Surveillance & Analysis Division

On October 16, 1981, a Priority 1 Sampling Request was submitted for the site adjacent to the Sauget Toxic Dump, Sauget, Illinois (Attachment 1). The survey was to take place October 21, 1981, but was changed by the contractor (FIT) to November 11, 1981. Discussions between our respective staffs indicate that dioxin analysis results may take up to 6 months (30-90 days for the organic scan and upon completion another 30-90 days for the dioxin analysis). While we understand the analytical problems associated with dioxin, a possible 6 month turn-around time for this Priority 1 Request is unacceptable. This is particularly true in light of the fact that very recent preliminary data (Attachment 2) indicate there is leachate leaving the site possibly contaminated with many pollutants of concern.

If there is any possible way this projected turn-around can be considerably shortened, it would be appreciated. I would be happy to discuss in detail with you the particular urgency associated with this investigation.

Attachments

005133

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: OCT 16 1981

SUBJECT: Request For: Sampling Survey, Mississippi, Riverfront Sauget, IL

FROM: Sandra S. Gardebring for Dale L. Bryson
with KAL
Director, Enforcement Division

TO: William H. Sanders, III, Director
Surveillance & Analysis Division

Project Objective:

Sample and analyze leachate from hazardous waste site (Sauget Toxic Dump) adjacent to the Mississippi River in Sauget, Il. Mr. Richard Boice has already surveyed the site with David DiTraglia and is familiar with the sampling locations. Due to the Mississippi's low water stage, the observed leachate streams are now accessible and the sampling should be performed as soon as possible. Presence of dioxins is highly suspected.

Decision Unit D314 Specific Activity _____ Priority 1

Desired Completion Date ASAP Authority Law/Section RCRA

Principal Contact: Edward DiDomenico Phone 353-2110

Date:

Subject: Acknowledgment of Receipt of Work Request

From:

To:

_____ will do the above work (as specfied) (with modifications).

Target Comp. Date: _____ S&A Project No. _____ Est. Cost _____

S&A Project Leader: _____ Phone _____

Comments:

I. TYPE & ESTIMATED NUMBER OF SAMPLES

A. GROUND WATER		E. AIR		I. SLUDGE	
B. SURFACE WATER		F. SOIL		J. OIL	
C. RUNOFF/LEACHATE	3	G. SEDIMENT	3	K. OTHER	
D. WASTE STREAM		H. BARREL			

II. ANALYTICAL ANALYSIS REQUIRED

A. METALS - ICAP X

BY FLAMELESS AA:

a. LEAD	X	d. MERCURY	X
b. ARSENIC		e. CADMIUM	X
c. SELENIUM		f. HEXAVALENT	
		g. OTHERS	

B. CYANIDES X

C. ORGANICS

a. BASE NEUTRAL FRACTION (PRIMARILY, SUBSTITUTED BENZENES OTHER THAN PHENOLS) X

b. PESTICIDE FRACTION AND TRACE CHLORINATED ORGANICS X

c. PURGEABLE ORGANICS (HIGHLY VOLATILE SOLVENTS) X

d. ACID FRACTION (PHENOLICS) X

e. ORGANIC SCAN - SEDIMENTS (HEXANE/ACETONE EXTRACT) X

f. PCBs X

D. ALL NPDES PERMIT PARAMETERS

E. OTHER Total dioxins (if positive then isomer specific) and total furans

cc: _____, EEIB

Dave Wagner, DISTRICT OFFICE

CURTIS ROSS, CRL

bcc: Miner

005135

RECORD OF COMMUNICATION	☒ PHONE CALL ☐ DISCUSSION ☐ FIELD TRIP ☐ CONFERENCE ☐ OTHER (SPECIFY) (Record of item checked above)	
TO: Mr. Perry Mann IEPA - Collinsville	FROM: David DiTraglia Engineering Unit II U.S. EPA	DATE: October 23, 1981 TIME: A.M.

SUBJECT

Sauget Toxic Dump - Preliminary Lab Results

SUMMARY OF COMMUNICATION

Mann had learned through a phone conversation with Springfield Laboratory personnel, the following preliminary lab results on three water (leachate) samples taken October 2, 1981, adjacent to the Sauget Toxic Dump:

I. Sample A

A.	Chloroaniline	- 24,000ppb
B.	Chloronitro benzene	- 21,000ppb
C.	Dichlorophenol	- 31,000ppb
D.	2,4 D	- 22,000ppb

II. Sample B

A.	Chlorophenol	- 30,000ppb
B.	Chloroaniline	- 22,000ppb
C.	Dichlorophenol	- 7,000ppb
D.	Chloronitrobenzene	- 10,000ppb
E.	Phenol	- 1,700ppb
F.	Methylbenzosulfaamide	- 2,000ppb
G.	Benzoic acid	- 7,000ppb
H.	Benzene carboxylic acid	- 1,200ppb
I.	2,4 D	- 17,000ppb

III. Sample C

A.	Chloroaniline	- 38,000ppb
B.	Phenol	- 11,000ppb
C.	Dichlorophenol	- 27,000ppb
D.	Dichloroaniline	- 2,800ppb
E.	Dichlorophenol	- 2,000ppb
F.	Benzoic acid	- 2,000ppb
G.	2,4 D	- 8,000ppb

CONCLUSIONS, ACTION TAKEN OR REQUIRED

INFORMATION COPIES

TO: Fenner, Schultels/Buttolph, Miner/DiDomenico

EPA Form 1300-6 (7-7[illegible]) REPLACES EPA HQ FORM 8300-3 WHICH MAY BE USED UNTIL SUPPLY IS EXHAUSTED. N.S.

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Other constituents of the leach were qualitatively identified as follows:

(1) Chlorobenzene
(2) Dichlorobenzene
(3) Chloromethylphenol
(4) Aniline
(5) Chloronitrobenzene
(6) Biphenol 2-OL
(7) Methylbenzene
(8) Methylphenol
(9) Trichlorophenol
(10) Sulfamide
(11) Benzene
(12) Biphenol Di OL
(13) Dichloroaniline
(14) Dichloronitrobenzene
(15) Nitroaniline
(16) Chloronitroaniline
(17) Nitrophenol
(18) Benzocarboxylic
(19) Hydroxybenzoic acid
(20) Benzoic acid
(21) N-Butyl-pthalate
(22) Methylbenzenesulfaamide
(23) Benzenesulfaamide
(24) Methylphenol
(25) Phenol
(26) 2-cyclo-pentanol
(27) 4-methyl-2-pentanol
(28) Chlorophenol
(29) Toluene

These above constituents were identified in the leachate samples below a detection level of 1000-7000ppb. (Depending on the specific chemical). The PCB and TCP analysis will be performed in about one week. When complete, the IEPA will get a copy of the full laboratory analysis and will send us a copy. The sediment samples taken were not analyzed at the time of our phone conversation.

095137